

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022119\
 Data File : VX007631.D
 Acq On : 21 Feb 2019 15:22
 Operator : JC/SP
 Sample : PB117250ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB117250ZHE#05

Quant Time: Feb 22 04:32:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	445754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	721088	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	696006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	325630	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	256525	54.22	ug/l	0.00
Spiked Amount			Recovery	=	108.44%	
35) Dibromofluoromethane	5.51	113	238599	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	8.71	98	881877	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	11.13	95	309268	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	

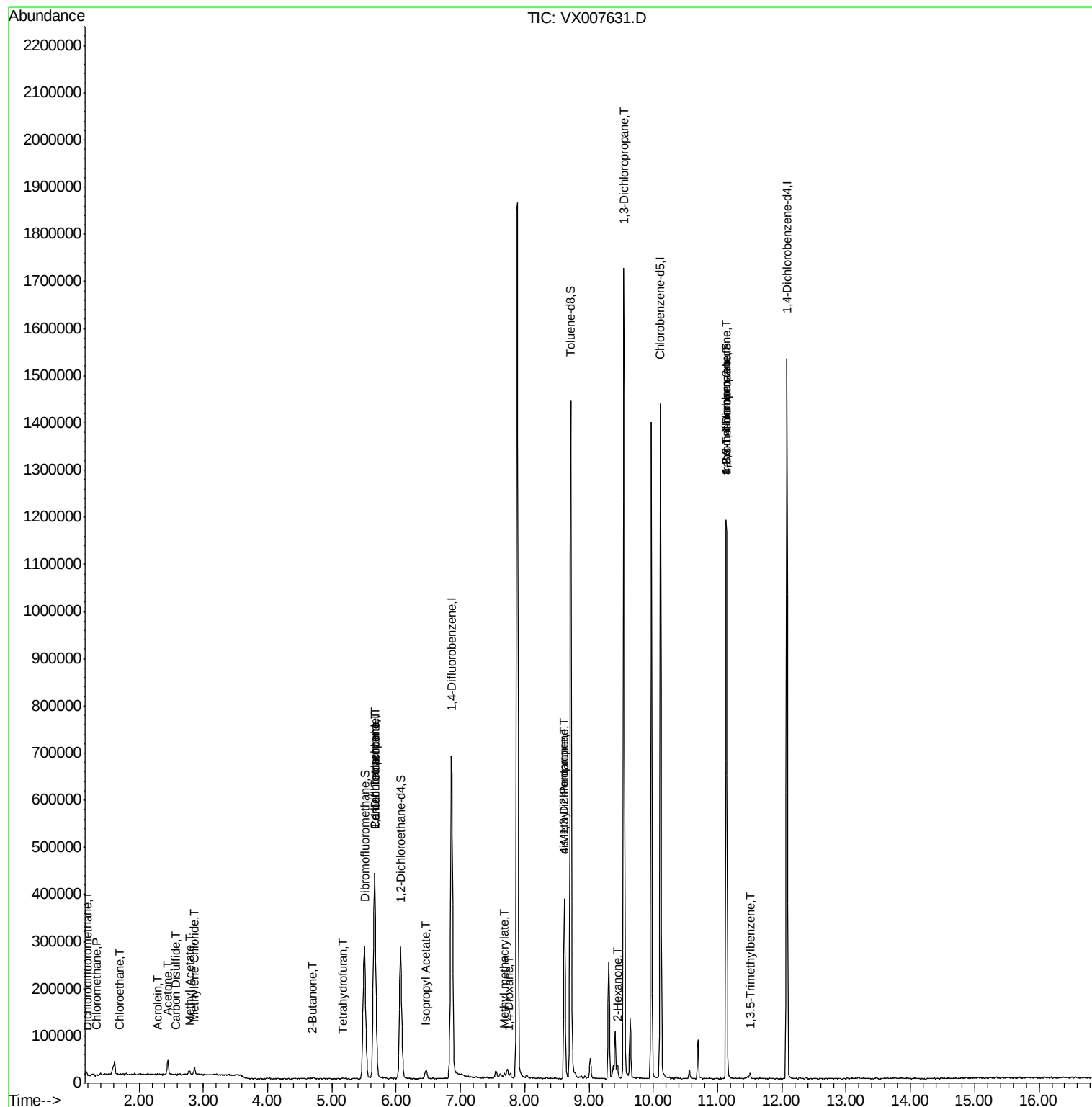
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	198	0.213	ug/l	81
3) Chloromethane	1.33	50	1302	0.259	ug/l #	74
5) Bromomethane	1.65	94	375	Below Cal		89
6) Chloroethane	1.70	64	1089	0.342	ug/l #	44
13) Acrolein	2.29	56	354	0.771	ug/l #	65
16) Acetone	2.45	43	32583	15.034	ug/l	96
17) Carbon Disulfide	2.57	76	1358	2.238	ug/l #	75
18) Methyl Acetate	2.78	43	12820	2.836	ug/l	93
20) Methylene Chloride	2.87	84	7605	1.335	ug/l #	84
25) 2-Butanone	4.70	43	4486	1.454	ug/l #	77
29) Tetrahydrofuran	5.16	42	2591	1.336	ug/l #	55
36) 1,1-Dichloropropene	5.67	75	30557	4.723	ug/l #	48
38) Carbon Tetrachloride	5.66	117	40045	6.380	ug/l #	17
43) Isopropyl Acetate	6.46	43	24855	2.462	ug/l	97
48) Methyl methacrylate	7.68	41	11645	2.306	ug/l #	12
49) 1,4-Dioxane	7.76	88	162	8.280	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	121416	18.270	ug/l #	50
54) cis-1,3-Dichloropropene	8.62	75	60656	8.730	ug/l #	65
57) 1,3-Dichloropropane	9.54	76	15299	1.877	ug/l #	43
59) 2-Hexanone	9.44	43	19053	3.684	ug/l #	24
76) 1,2,3-Trichloropropane	11.13	75	144743	22.852	ug/l #	32
80) 1,3,5-Trimethylbenzene	11.51	105	4305	0.238	ug/l	85
81) trans-1,4-Dichloro-2-buten	11.13	75	144743	68.889	ug/l #	9

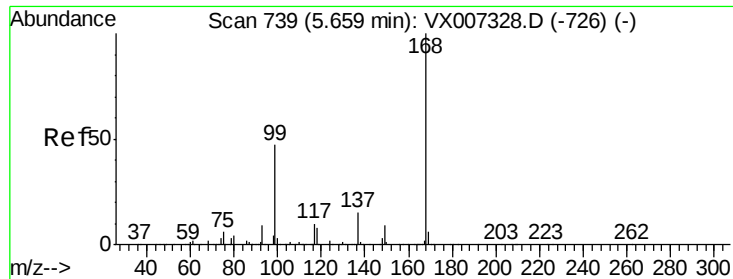
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

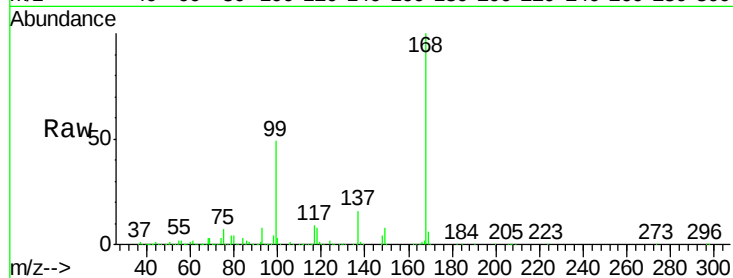
PB117250ZHE#05

Tot Ion:168 Resp: 445754

Ion Ratio Lower Upper

168 100

99 49.0 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

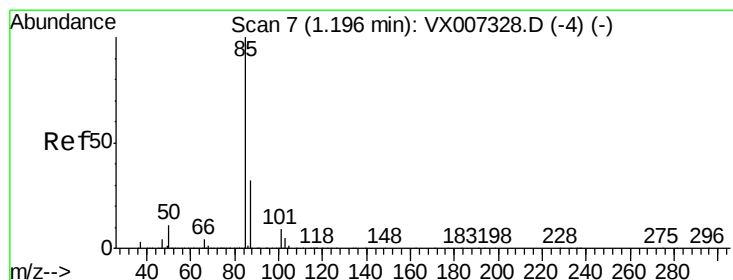
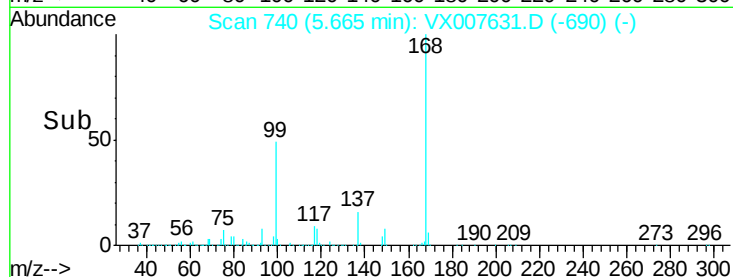
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.213 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007631.D

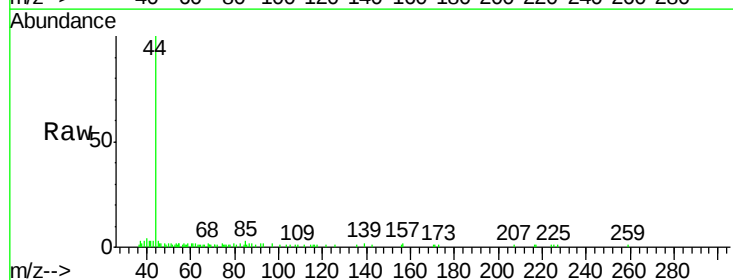
Acq: 21 Feb 2019 15:22

Tgt Ion: 85 Resp: 198

Ion Ratio Lower Upper

85 100

87 41.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250

200

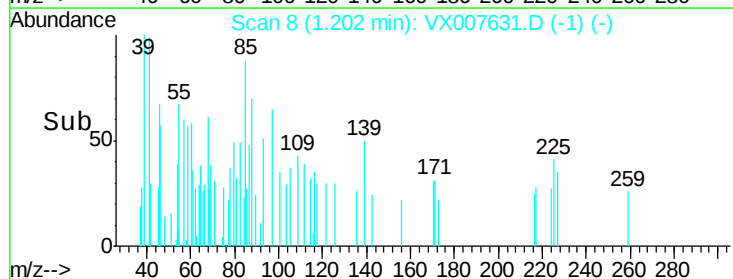
150

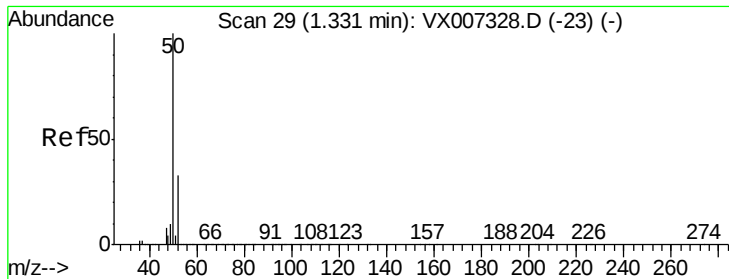
100

50

0

Time--> 1.18 1.20 1.22 1.24





#3

Chloromethane

Concen: 0.259 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

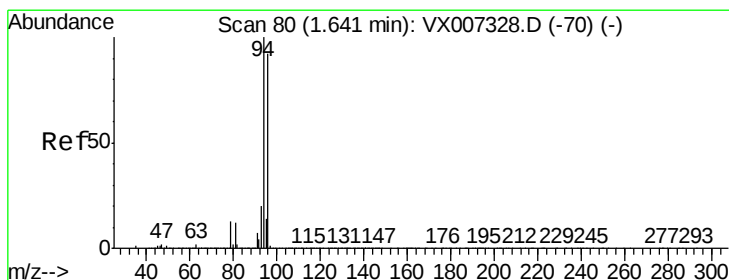
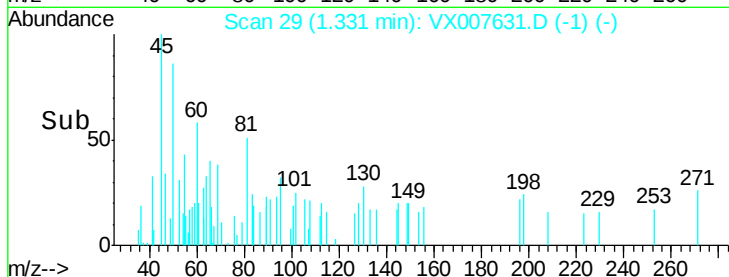
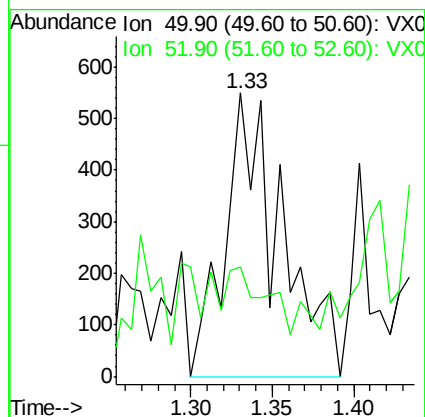
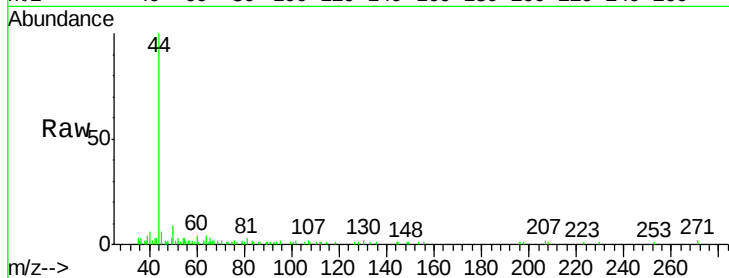
PB117250ZHE#05

Tot Ion: 50 Resp: 1302

Ion Ratio Lower Upper

50 100

52 18.2 26.1 39.1#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007631.D

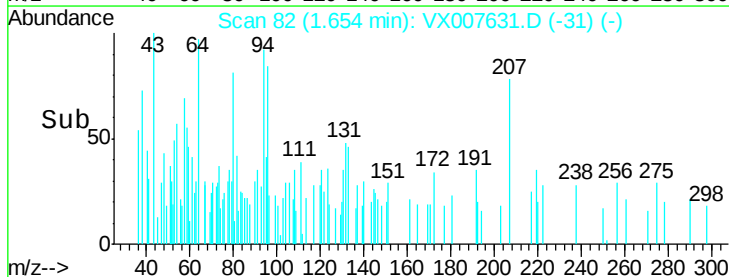
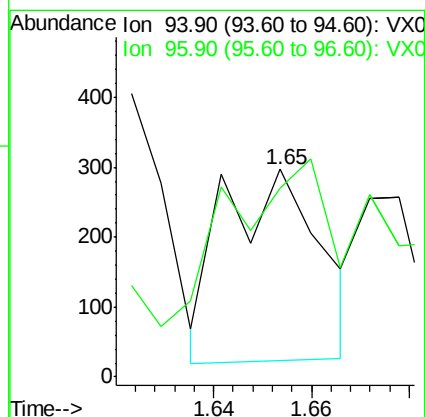
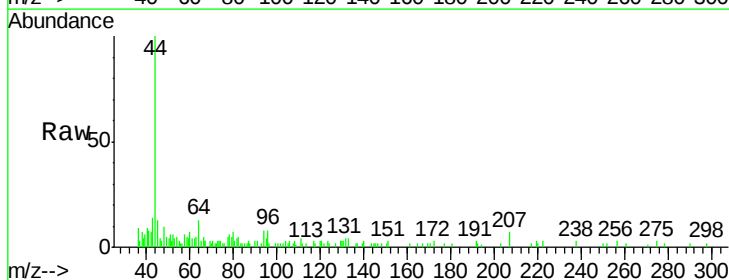
Acq: 21 Feb 2019 15:22

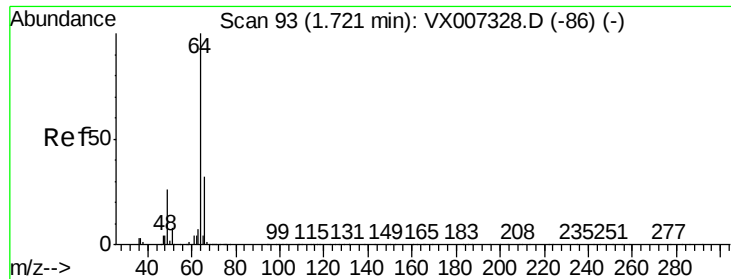
Tgt Ion: 94 Resp: 375

Ion Ratio Lower Upper

94 100

96 103.1 73.9 110.9





#6

Chloroethane

Concen: 0.342 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

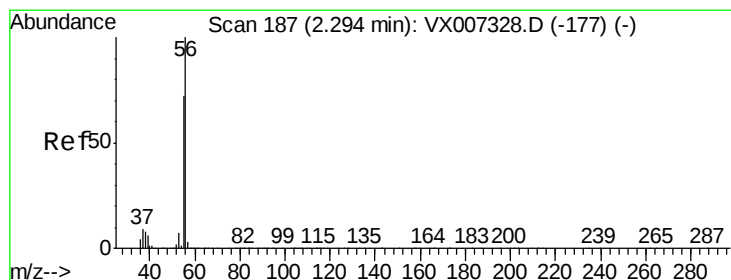
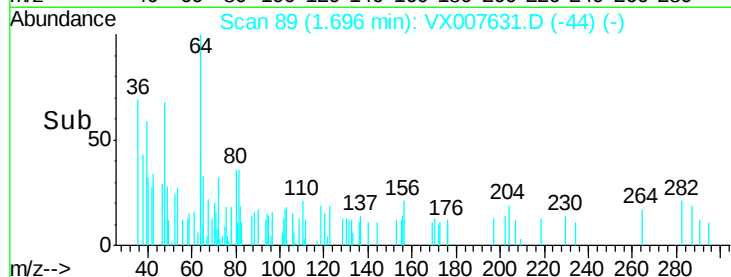
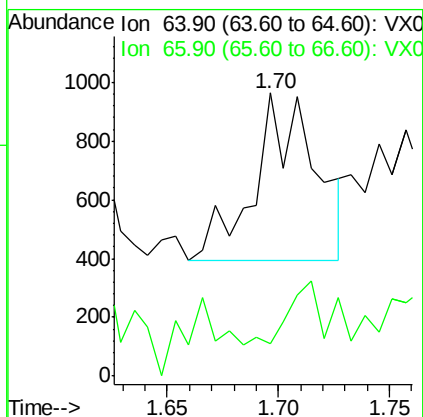
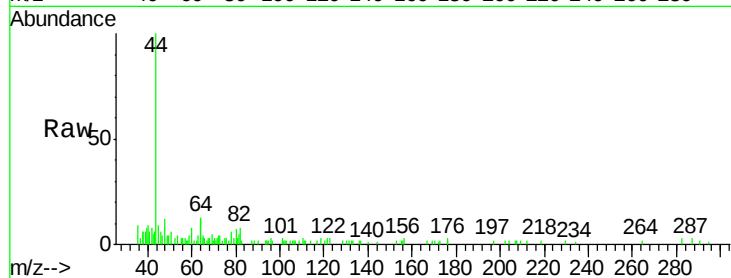
PB117250ZHE#05

Tot Ion: 64 Resp: 1089

Ion Ratio Lower Upper

64 100

66 0.5 25.5 38.3#



#13

Acrolein

Concen: 0.771 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX007631.D

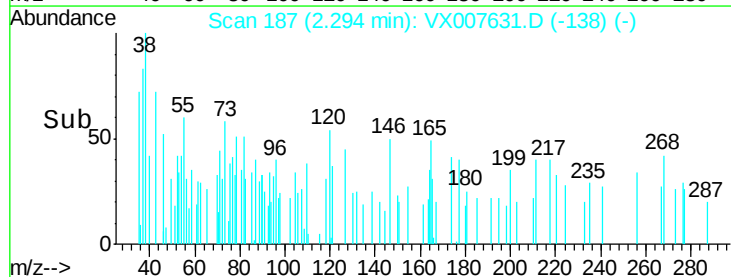
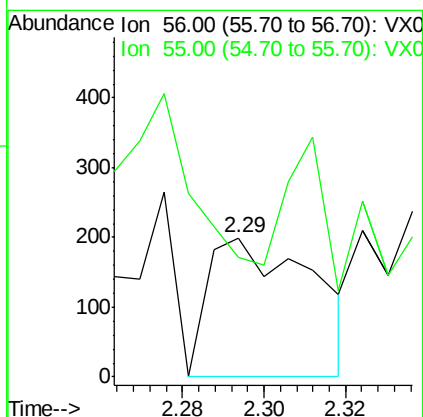
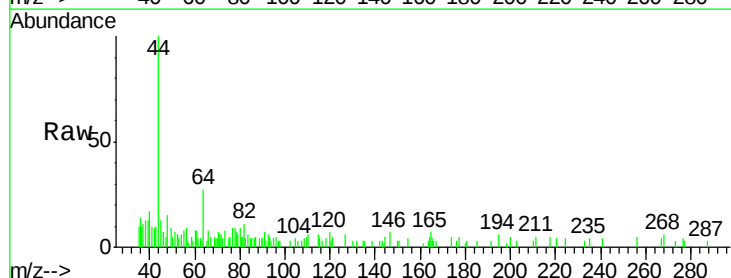
Acq: 21 Feb 2019 15:22

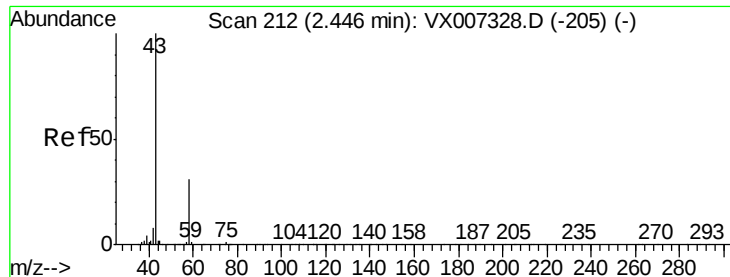
Tgt Ion: 56 Resp: 354

Ion Ratio Lower Upper

56 100

55 100.0 56.9 85.3#





#16

Acetone

Concen: 15.034 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

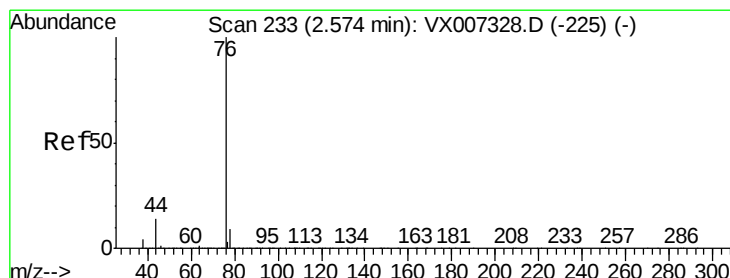
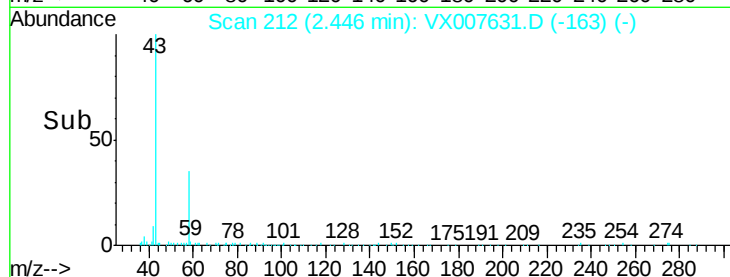
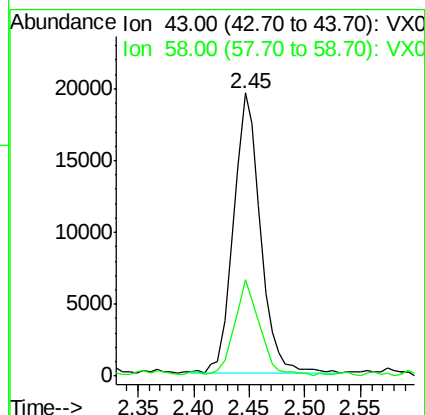
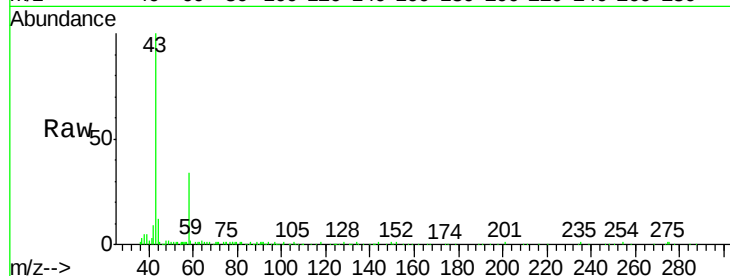
PB117250ZHE#05

Tot Ion: 43 Resp: 32583

Ion Ratio Lower Upper

43 100

58 33.6 24.9 37.3



#17

Carbon Disulfide

Concen: 2.238 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007631.D

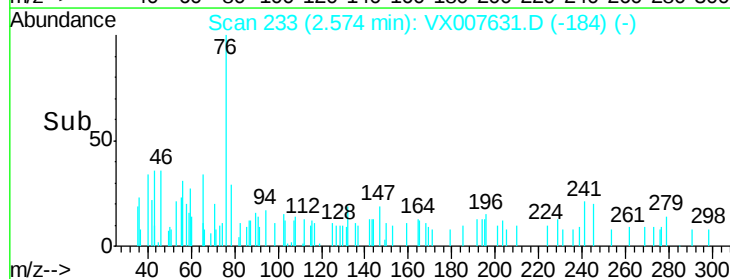
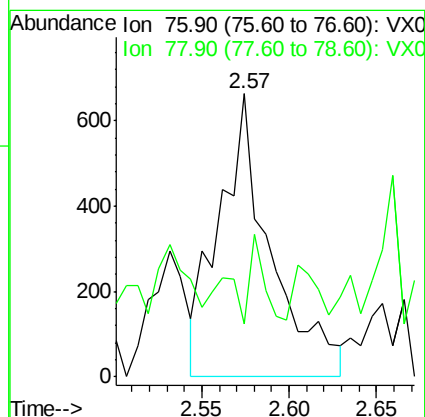
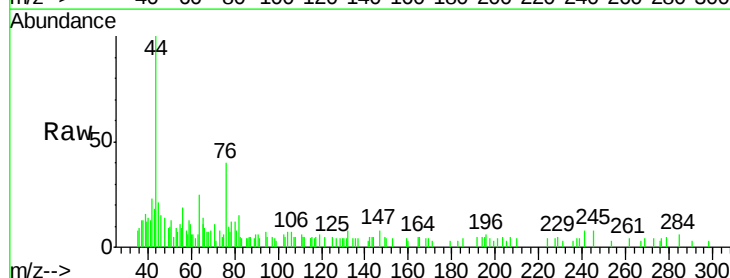
Acq: 21 Feb 2019 15:22

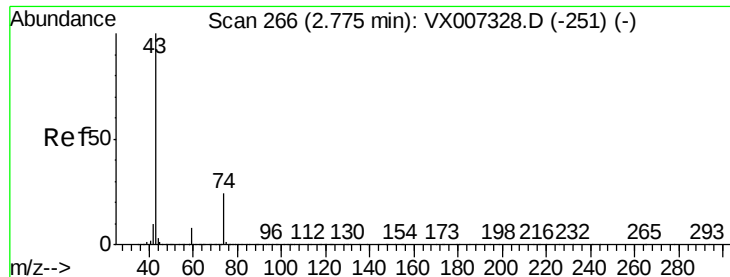
Tgt Ion: 76 Resp: 1358

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

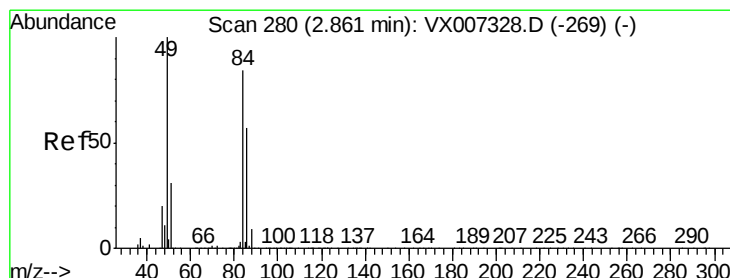
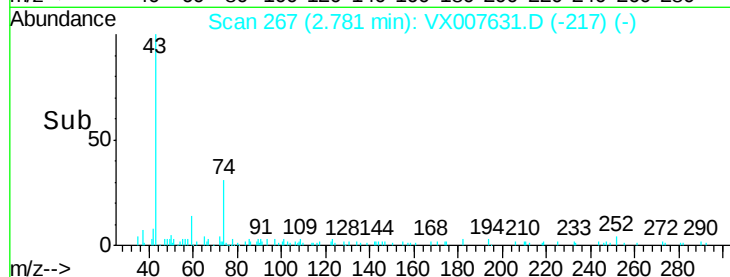
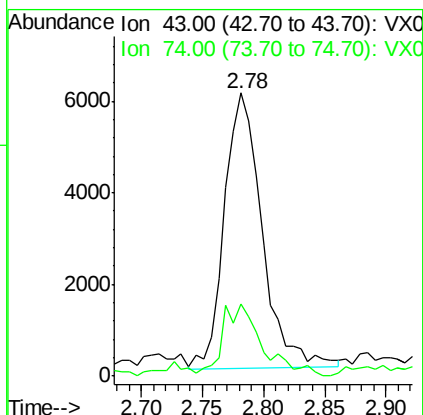
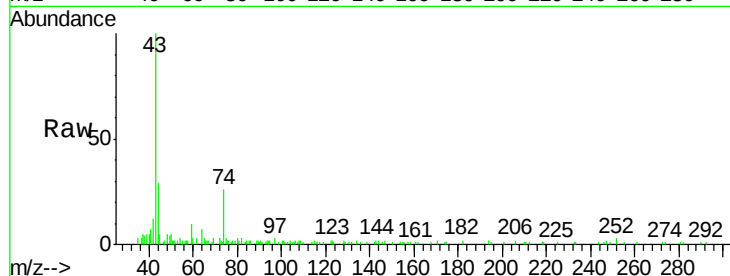




#18
Methyl Acetate
Concen: 2.836 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007631.D
Acq: 21 Feb 2019 15:22

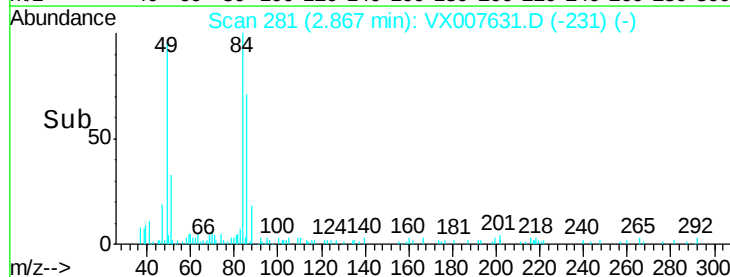
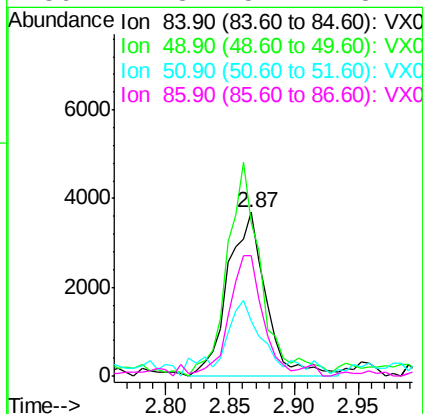
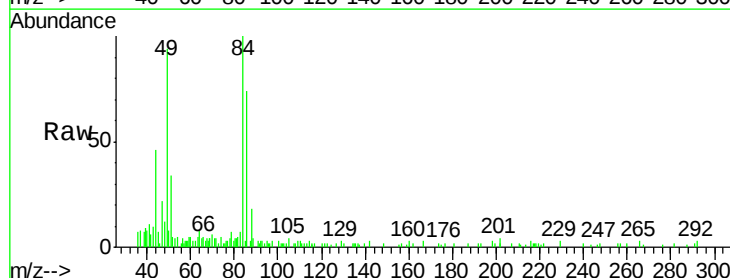
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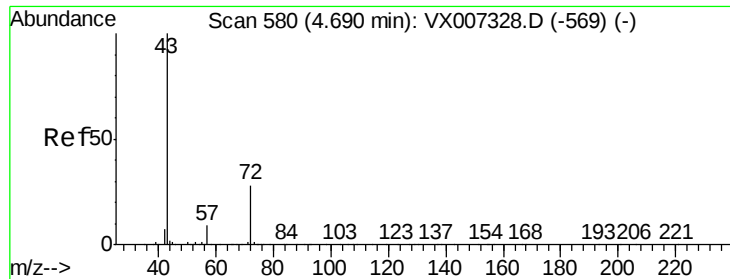
Tot Ion: 43 Resp: 12820
Ion Ratio Lower Upper
43 100
74 27.7 19.4 29.2



#20
Methylene Chloride
Concen: 1.335 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX007631.D
Acq: 21 Feb 2019 15:22

Tgt Ion: 84 Resp: 7605
Ion Ratio Lower Upper
84 100
49 94.1 94.8 142.2#
51 29.9 29.8 44.8
86 72.3 54.1 81.1

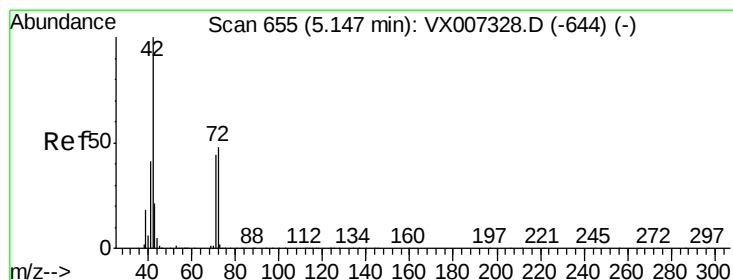
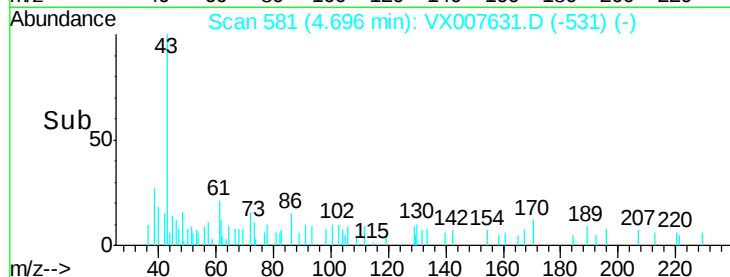
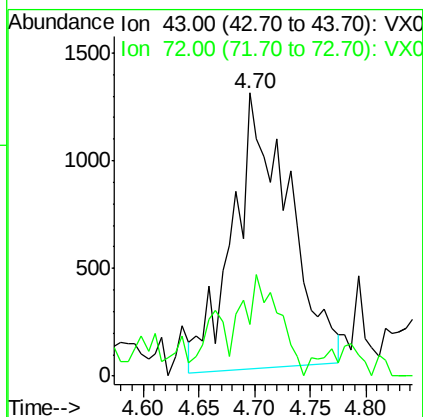
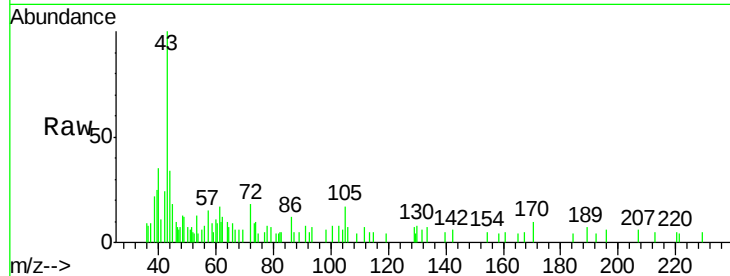




#25
2-Butanone
Concen: 1.454 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.01 min
Lab File: VX007631.D
Acq: 21 Feb 2019 15:22

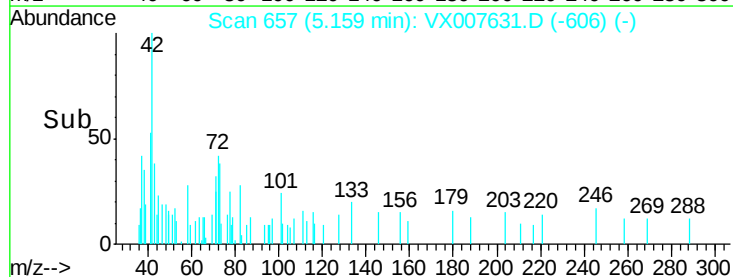
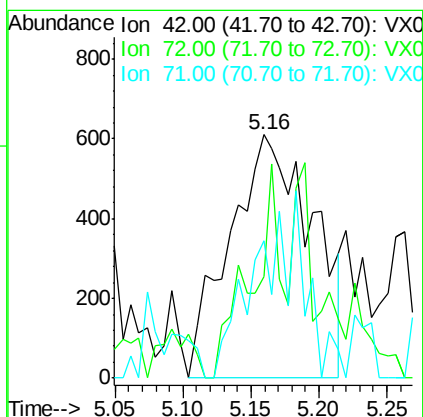
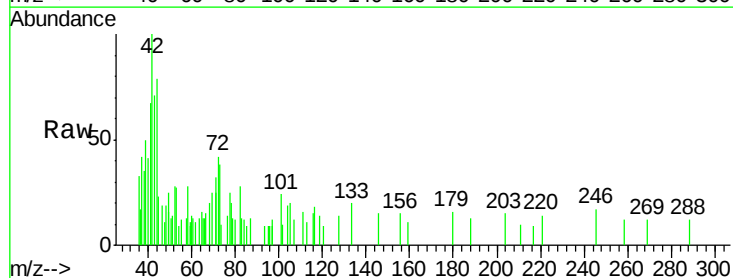
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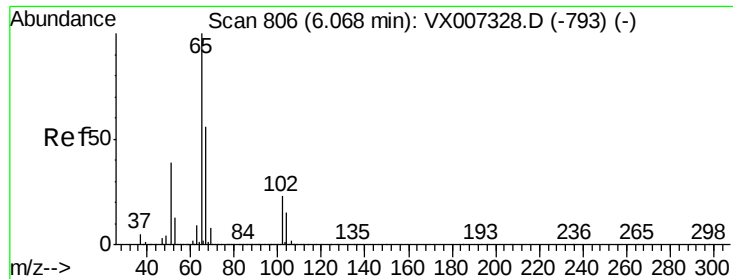
Tot Ion: 43 Resp: 4486
Ion Ratio Lower Upper
43 100
72 15.6 22.2 33.2#



#29
Tetrahydrofuran
Concen: 1.336 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX007631.D
Acq: 21 Feb 2019 15:22

Tgt Ion: 42 Resp: 2591
Ion Ratio Lower Upper
42 100
72 11.1 37.6 56.4#
71 21.1 34.6 51.8#





#33

1,2-Dichloroethane-d4

Concen: 54.218 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

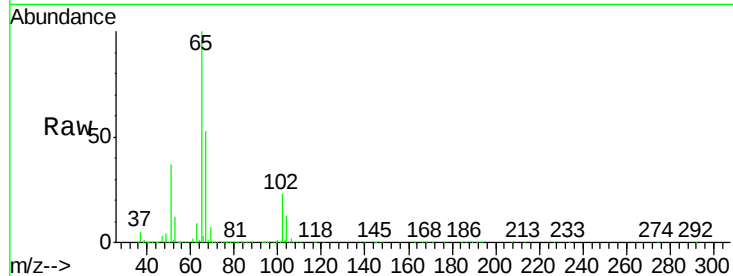
PB117250ZHE#05

Tot Ion: 65 Resp: 256525

Ion Ratio Lower Upper

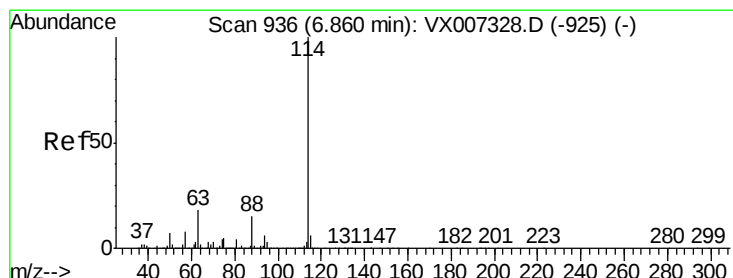
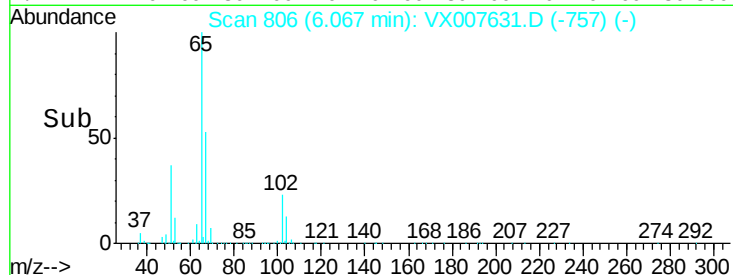
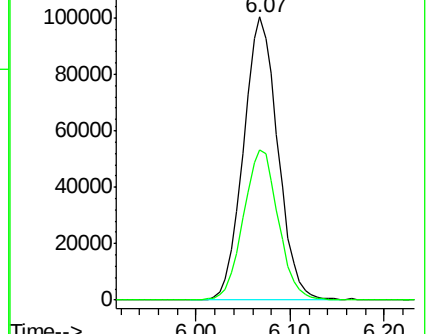
65 100

67 54.0 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

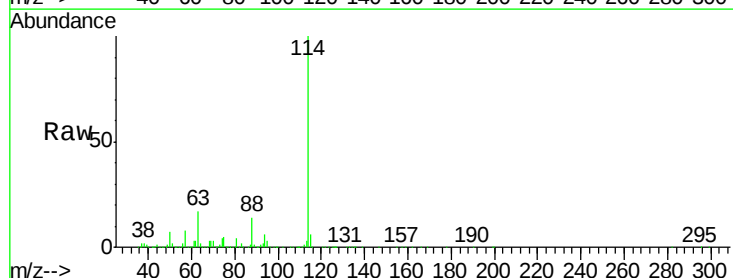
Tgt Ion: 114 Resp: 721088

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.6

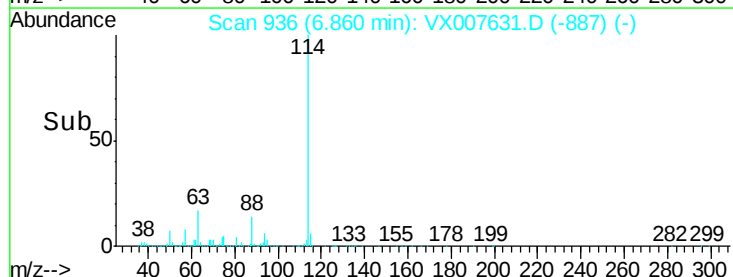
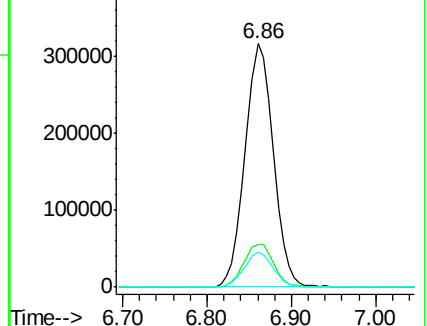
88 14.3 0.0 29.6

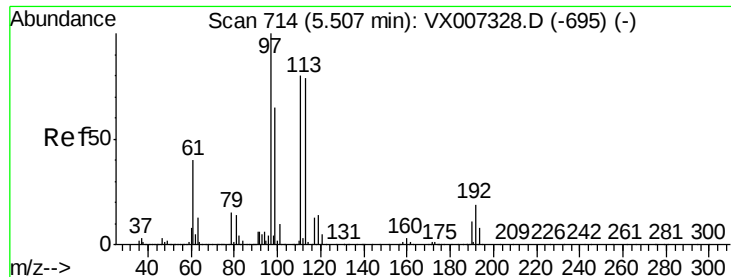


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.854 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#05

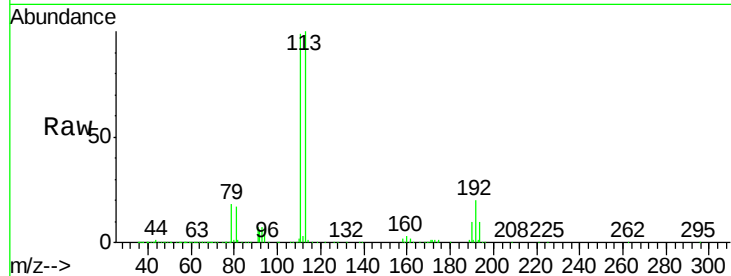
Tot Ion:113 Resp: 238599

Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

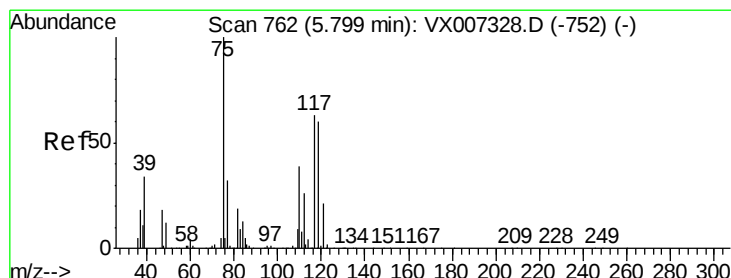
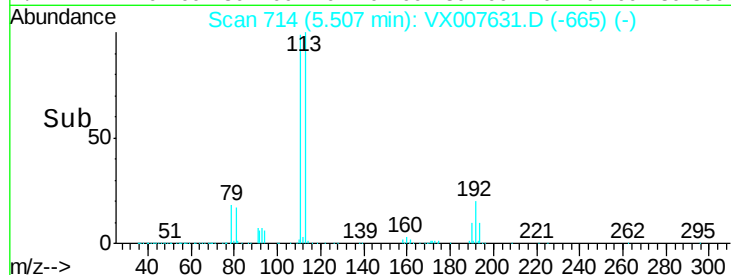
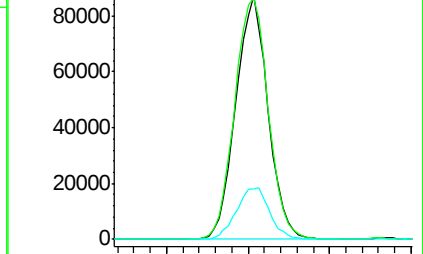
192 22.0 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.723 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

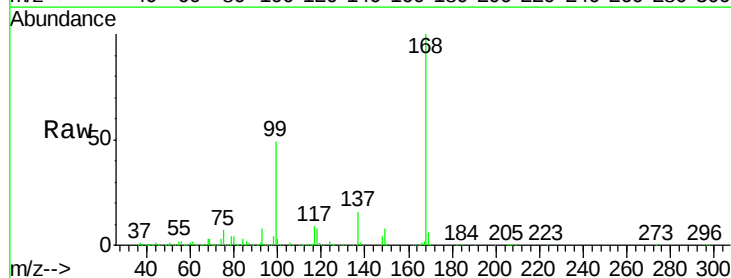
Tgt Ion: 75 Resp: 30557

Ion Ratio Lower Upper

75 100

110 9.7 20.0 59.9#

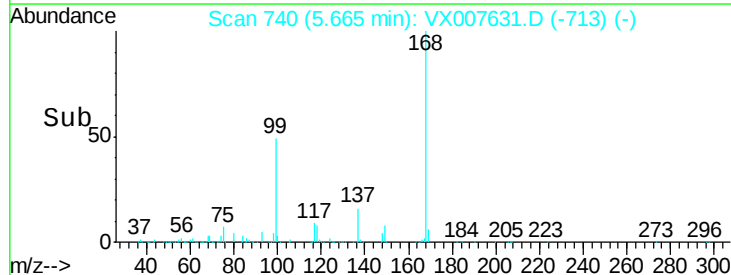
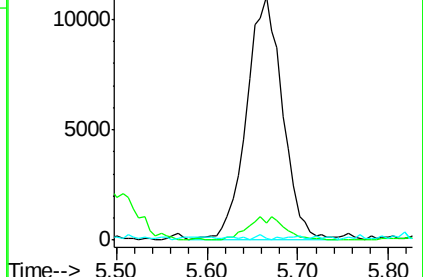
77 0.5 24.7 37.1#

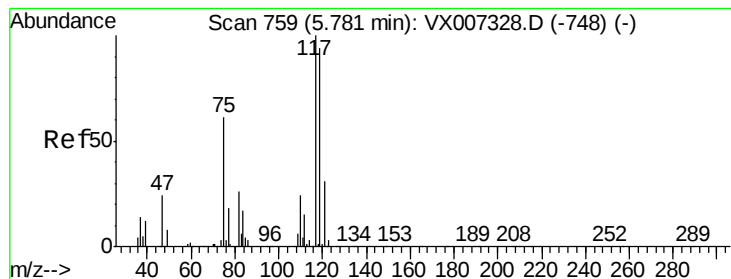


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.380 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#05

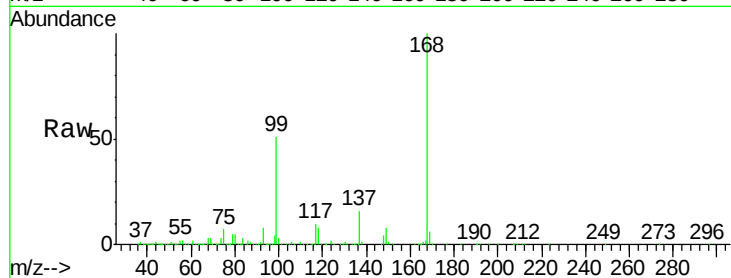
Tot Ion:117 Resp: 40045

Ion Ratio Lower Upper

117 100

119 4.7 75.3 112.9#

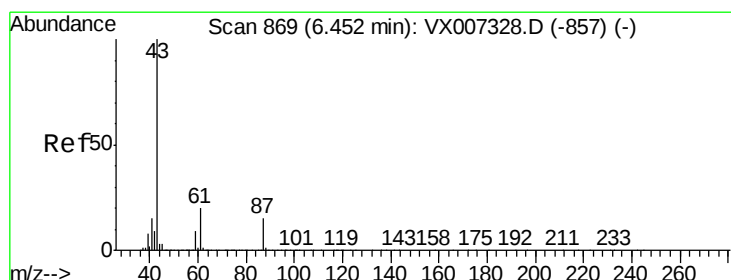
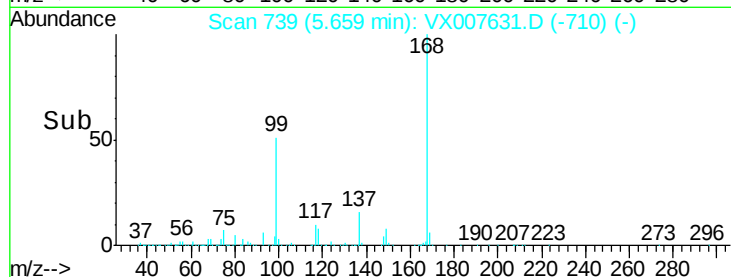
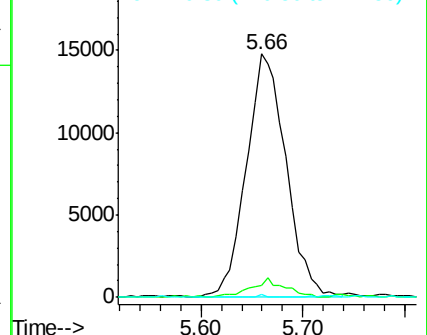
121 1.1 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.462 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

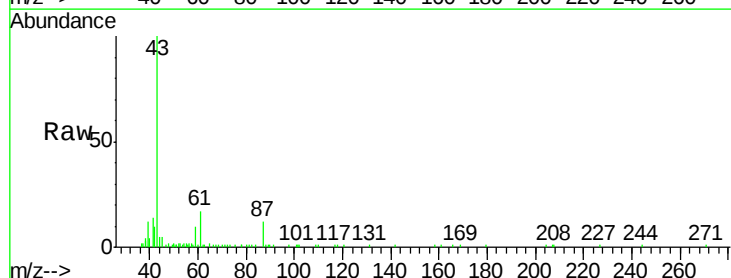
Tgt Ion: 43 Resp: 24855

Ion Ratio Lower Upper

43 100

61 21.6 16.1 24.1

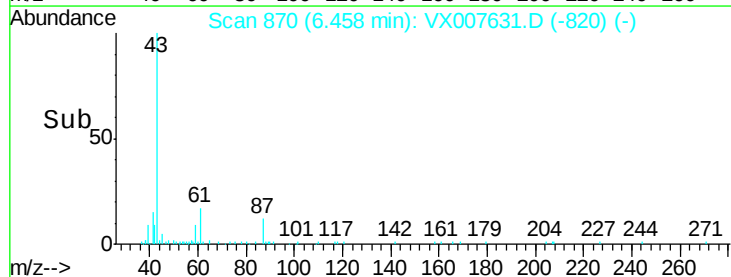
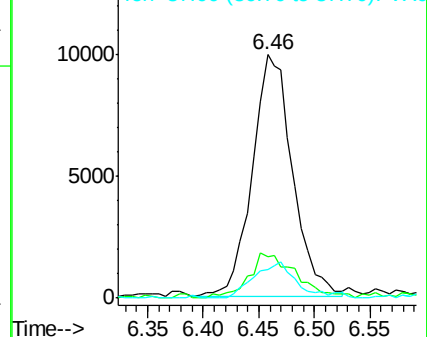
87 15.4 11.5 17.3

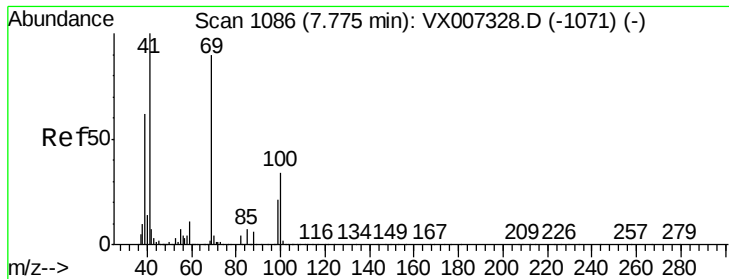


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methvl methacrylate

Concen: 2.306 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#05

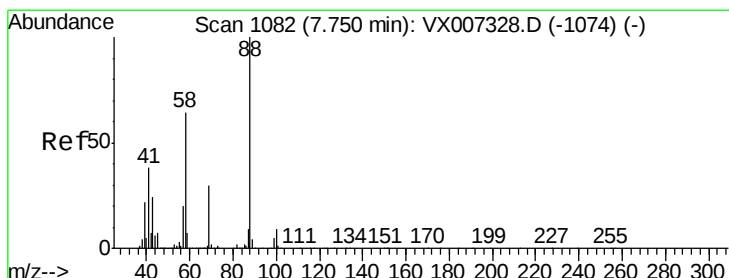
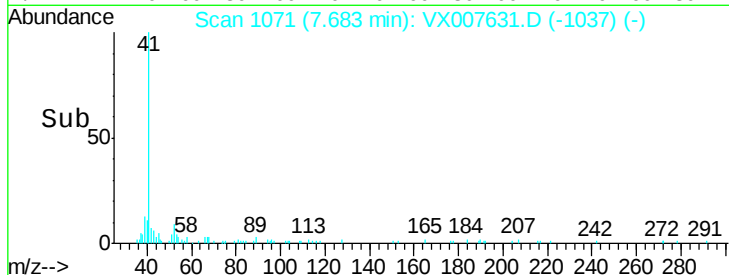
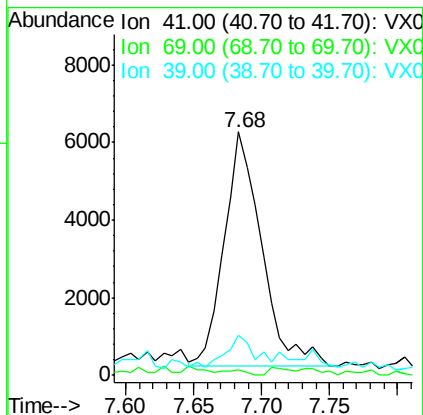
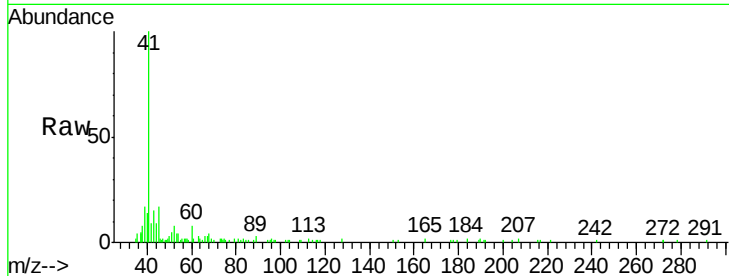
Tot Ion: 41 Resp: 11645

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.4#

39 0.0 47.4 71.0#



#49

1,4-Dioxane

Concen: 8.280 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

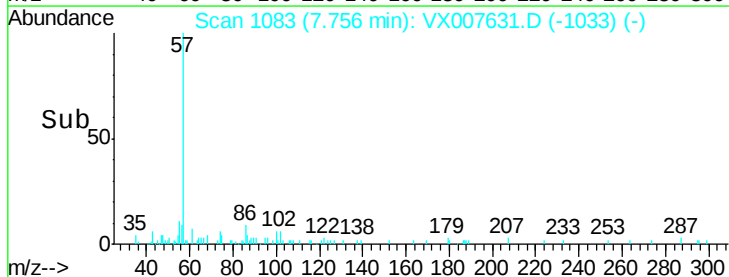
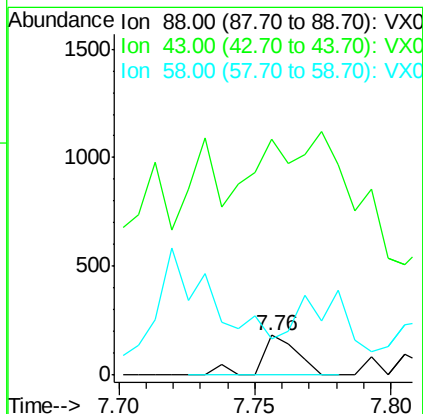
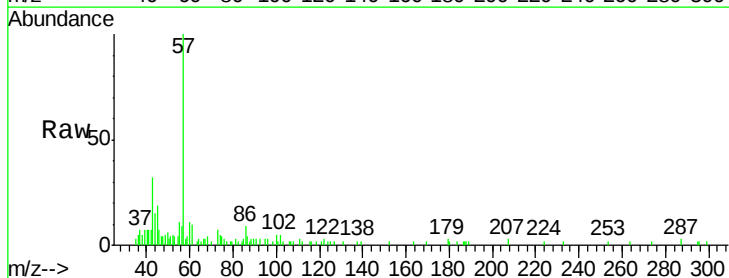
Tgt Ion: 88 Resp: 162

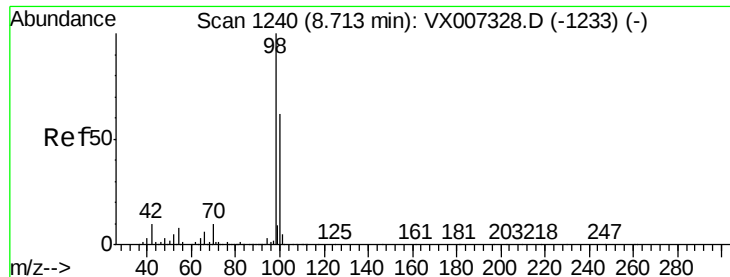
Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

58 0.0 53.0 79.4#





#50

Toluene-d8

Concen: 50.660 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

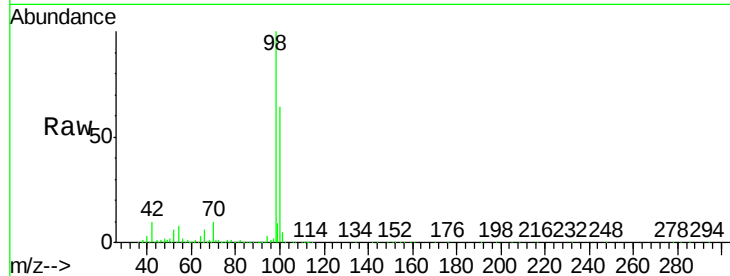
PB117250ZHE#05

Tot Ion: 98 Resp: 881877

Ion Ratio Lower Upper

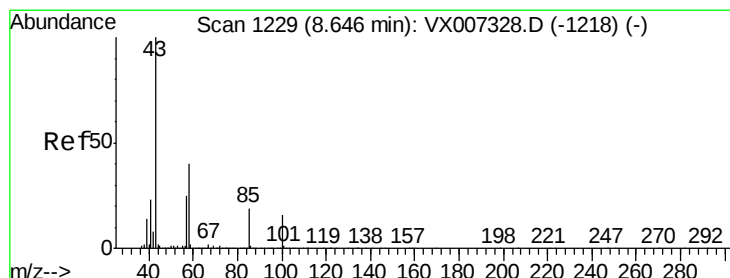
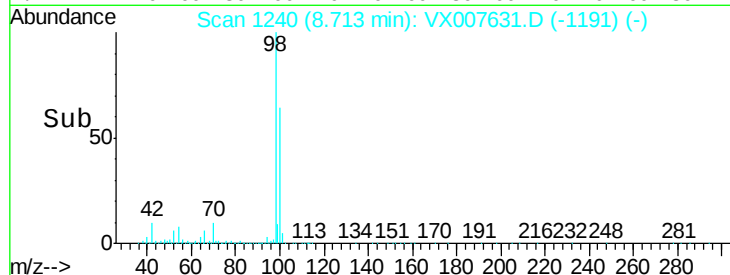
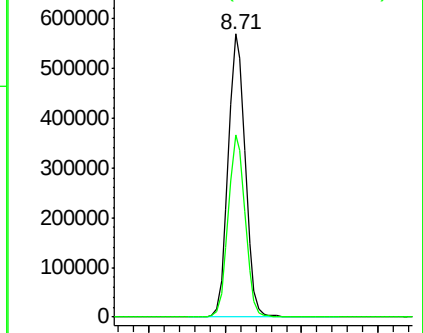
98 100

100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 18.270 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007631.D

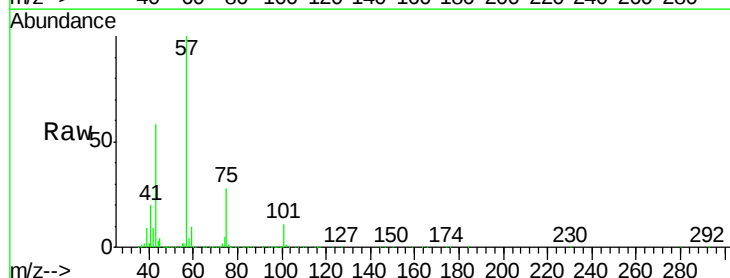
Acq: 21 Feb 2019 15:22

Tgt Ion: 43 Resp: 121416

Ion Ratio Lower Upper

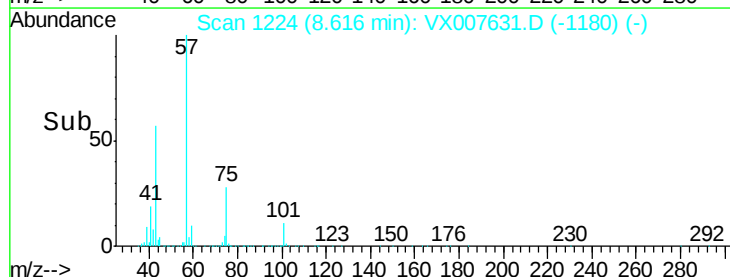
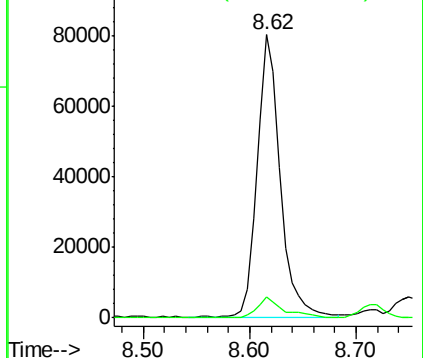
43 100

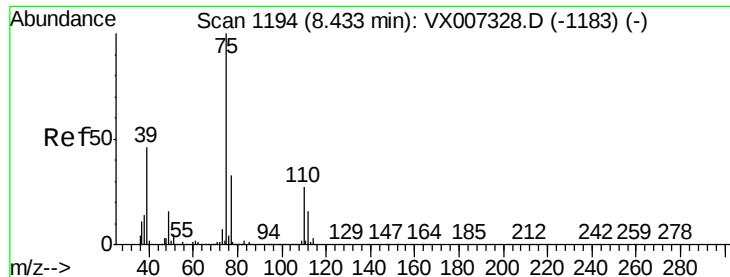
58 8.6 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



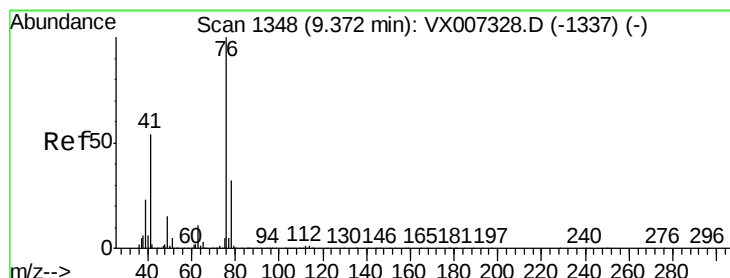
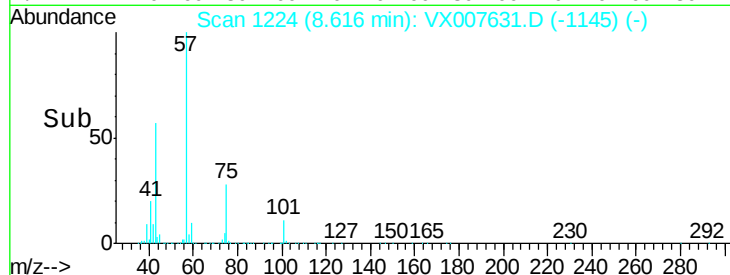
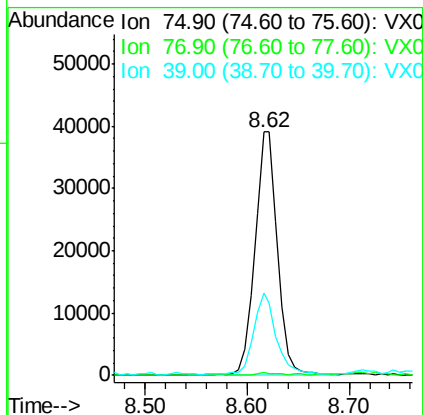
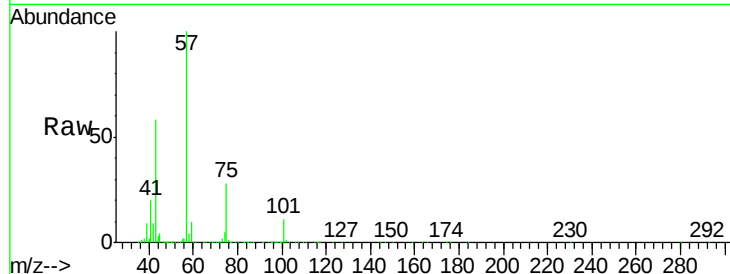


#54

cis-1,3-Dichloropropene
 Concen: 8.730 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX007631.D
 Acq: 21 Feb 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 PB117250ZHE#05

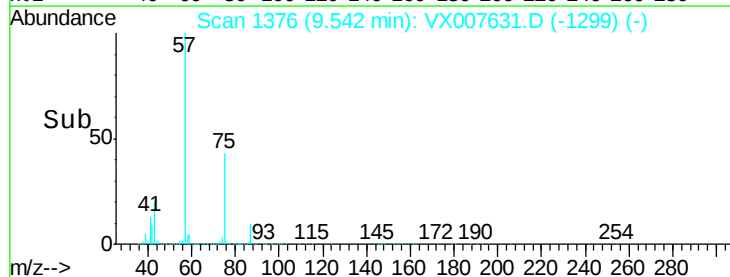
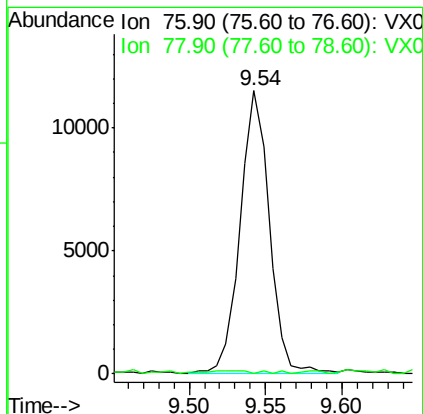
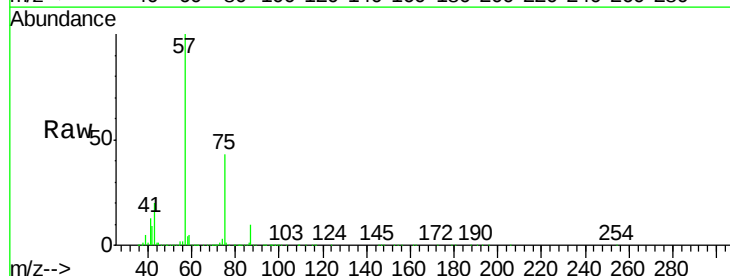
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.5	26.2	39.4#
39	33.1	37.1	55.7#

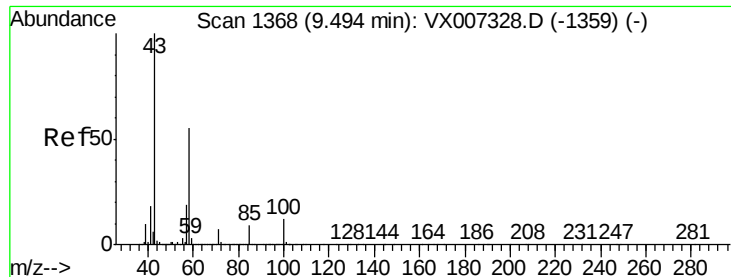


#57

1,3-Dichloropropane
 Concen: 1.877 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.17 min
 Lab File: VX007631.D
 Acq: 21 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.4	25.8	38.8#

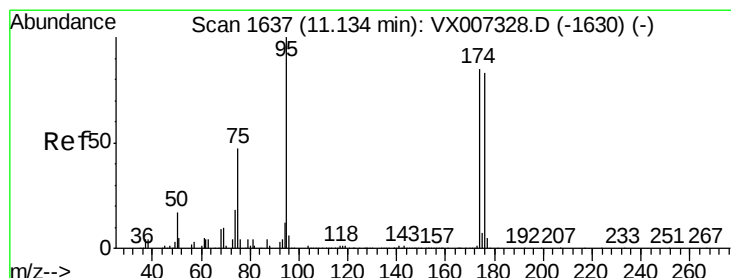
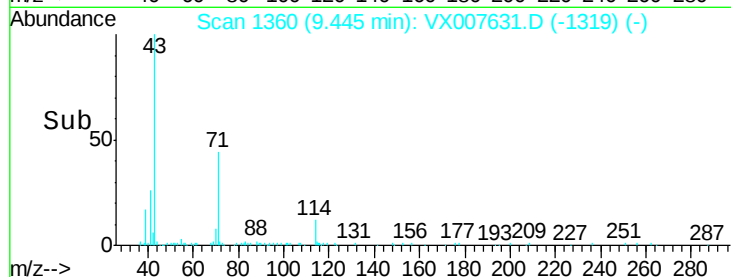
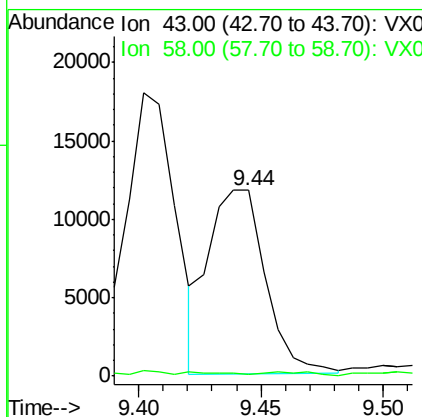
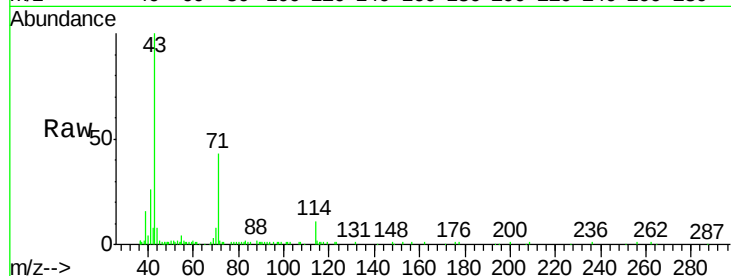




#59
2-Hexanone
Concen: 3.684 ug/l
RT: 9.44 min Scan# 1360
Delta R.T. -0.05 min
Lab File: VX007631.D
Acq: 21 Feb 2019 15:22

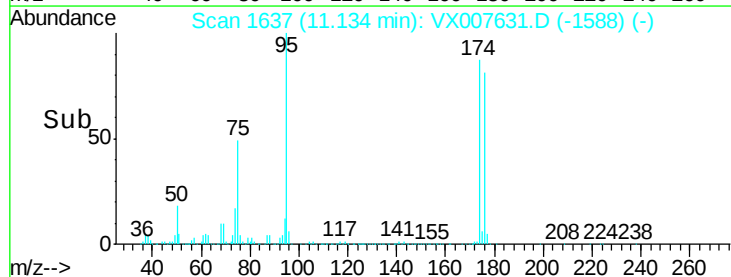
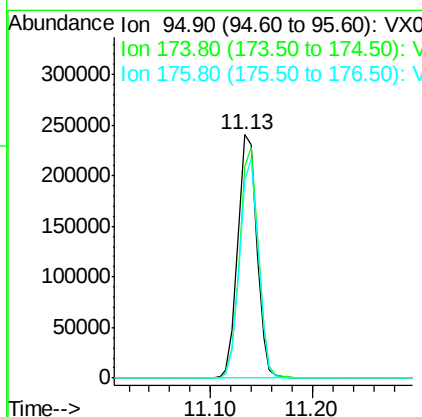
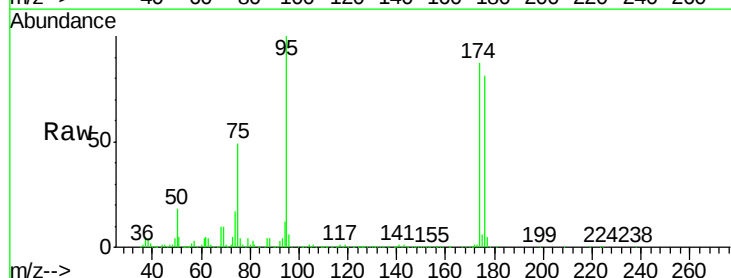
Instrument :
MSVOA_X
ClientSampleId :
PB117250ZHE#05

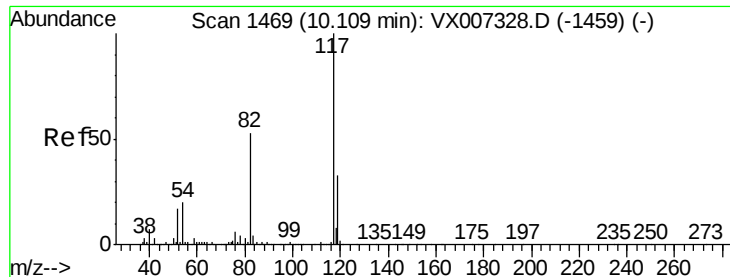
Tot Ion: 43 Resp: 19053
Ion Ratio Lower Upper
43 100
58 0.0 27.1 81.3#



#62
4-Bromofluorobenzene
Concen: 48.661 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007631.D
Acq: 21 Feb 2019 15:22

Tgt Ion: 95 Resp: 309268
Ion Ratio Lower Upper
95 100
174 93.3 0.0 189.2
176 88.0 0.0 186.2

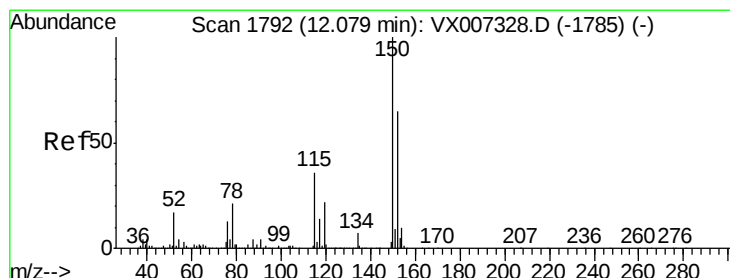
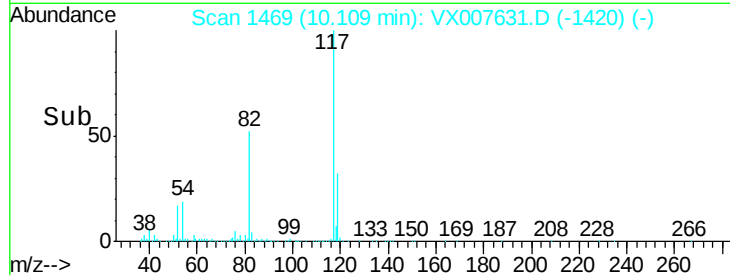
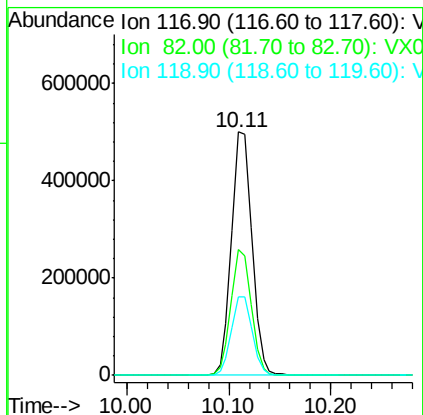
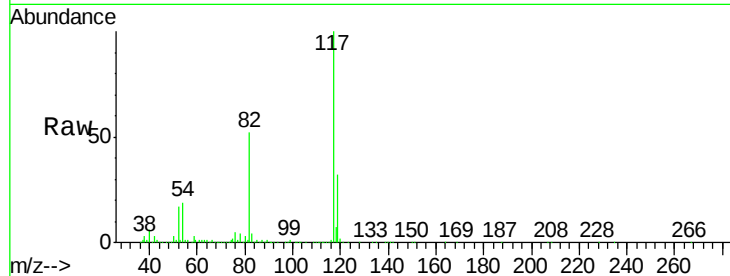




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007631.D
Acq: 21 Feb 2019 15:22

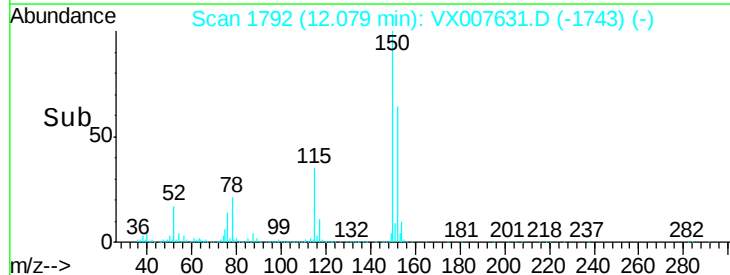
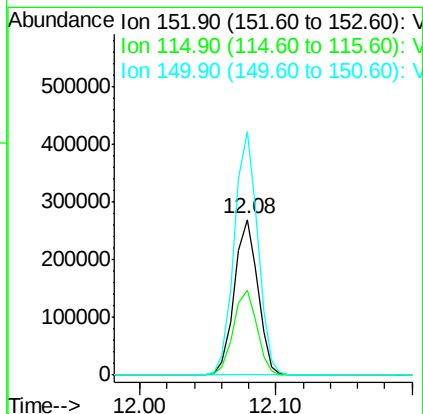
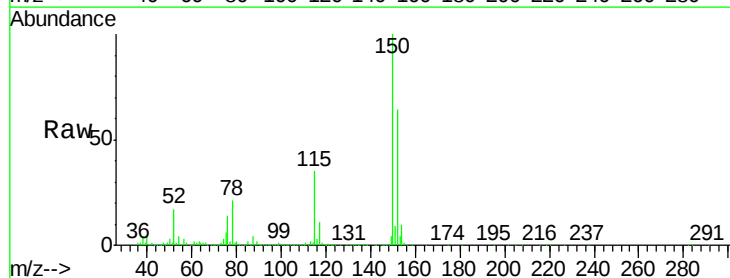
Instrument :
MSVOA_X
ClientSampleId :
PB117250ZHE#05

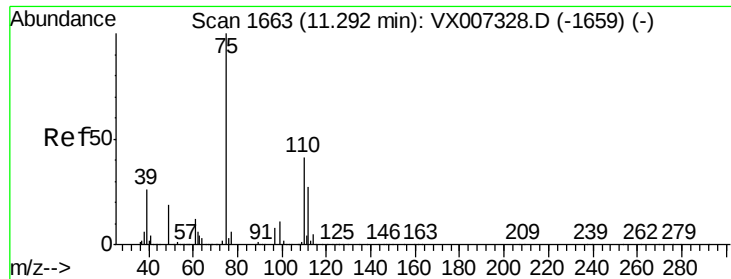
Tot Ion:117 Resp: 696006
Ion Ratio Lower Upper
117 100
82 51.6 42.1 63.1
119 32.1 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007631.D
Acq: 21 Feb 2019 15:22

Tgt Ion:152 Resp: 325630
Ion Ratio Lower Upper
152 100
115 55.0 38.0 114.0
150 156.4 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 22.852 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

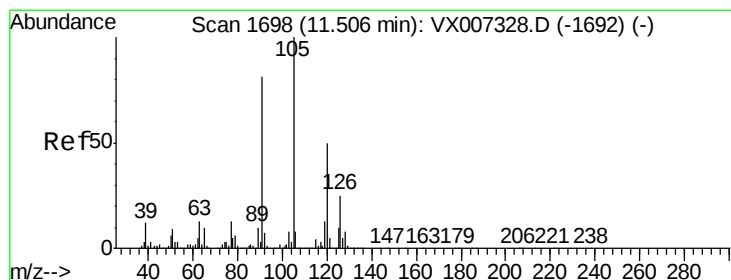
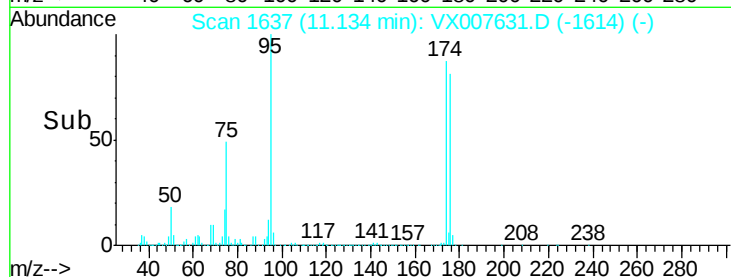
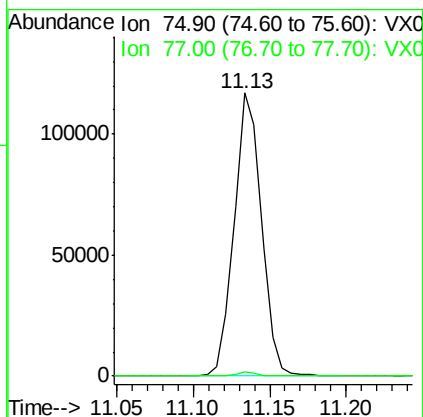
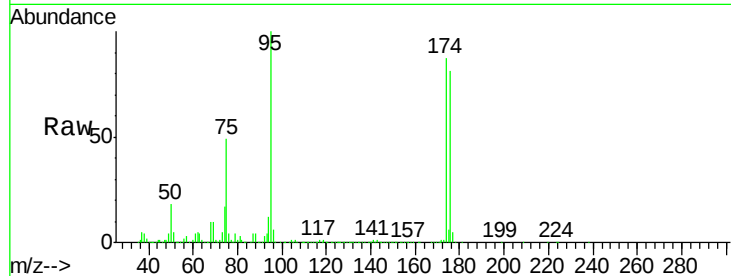
PB117250ZHE#05

Tot Ion: 75 Resp: 144743

Ion Ratio Lower Upper

75 100

77 1.4 23.0 69.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.238 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007631.D

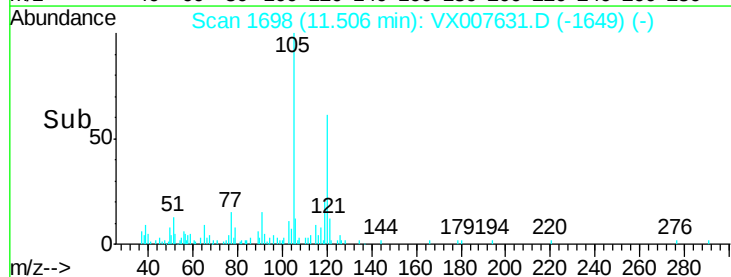
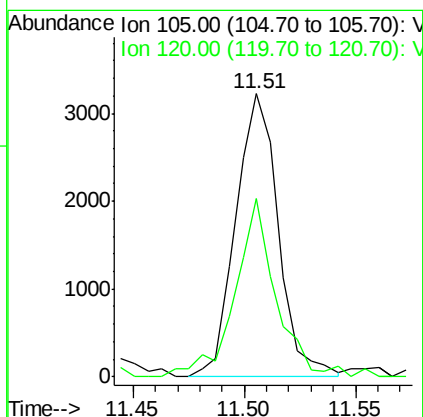
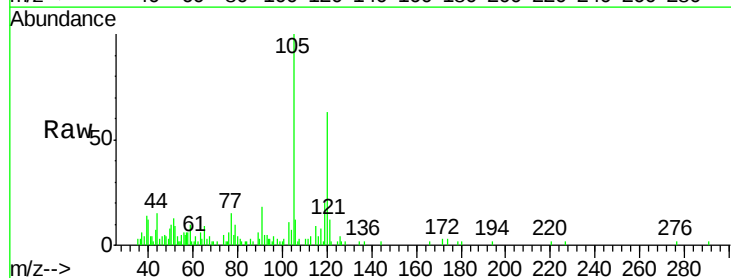
Acq: 21 Feb 2019 15:22

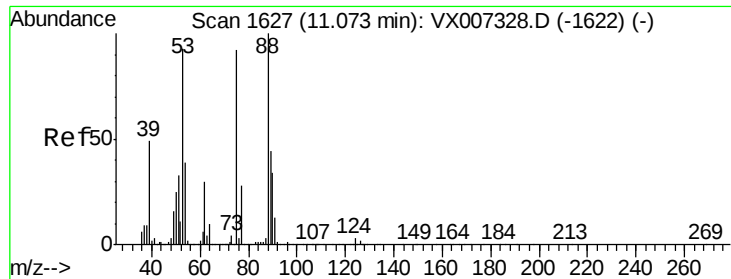
Tgt Ion: 105 Resp: 4305

Ion Ratio Lower Upper

105 100

120 61.1 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 68.889 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007631.D

Acq: 21 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#05

Tot Ion: 75 Resp: 144743

Ion Ratio Lower Upper

75 100

53 0.3 81.0 121.6#

89 0.0 41.4 62.0#

